

# INNOVATION THROUGH TECHNOLOGY & EXPERIENCE

OCTOBER 2019

Making smiles for you  
Since 1982

Fit to Partial  
Matrix Technique

vs

Partial-In-Impression

CHECK OUT OUR  
UPDATED WEBSITE!

dentalceramicsic.com

"Thanks for all  
the work you  
send our way!"

**Dental Ceramics  
of Iowa City**  
901 Orchard Street  
Iowa City, IA 52246  
319-338-1188

**Happy Fall!!**

**Greetings From Dental Ceramics of Iowa City!**

We get frequent calls about fitting a crown to an existing partial.

**Did you know?**

Taking a crown and bridge impression and sending the partial separately will almost always cause lots of adjusting and usually result in the partial not seating.

***If the partial is not picked up in the crown and bridge impression, it typically will not fit on a stone model.***

**Take a pre-op impression of the dentition with the partial seated!**

The best impression options to achieve the most accurate fit of the partial when fabricating a crown:

1. Partial-In-Impression
2. Matrix

**1. Partial-In-Impression Technique**

**Pros:** The crown can be fabricated from any material

Results, although often excellent, can be less than accurate due to the difficulty of complete seating of the partial during the impression procedure. Yes, we can do full contour zirconia however, if adjusting is needed ... We find the best fit is a PFM with metal in the clasp area or a Full Cast Crown where appropriate.

**Cons:** As mentioned above, the partial must be properly and completely seated during impression taking. Any movement will distort the final fit. The patient must give up their partial.

**2. Matrix Technique**

**Pros:** Patient will not have to be without their partial.

**Cons:** The matrix impression must be accurate and will work best with a very heavy body impression material.

The matrix is formed by using a very heavy body impression material. The Impression material is injected over the entire prep. The partial is then seated firmly (be certain the partial is fully seated and that enough impression material has been placed to capture the clasps, rests and strut of the partial. Prior to the complete set-up of the impression material, with your finger, wipe away any excess material that may have buried the clasp and strut. Remove the partial from the mouth and carefully work the matrix impression off the partial.

*Note: Due to the small size of the matrix impression, we recommend placing it in a crown box or baggie and indicating on the lab RX form that a matrix is included.*